RAW SEQUENCE LISTING PATENT APPLICATION US/08/226,248A

DATE: 09/07/94 TIME: 12:55:20

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This Raw Listing contains the General Information Section and up to the first 5 pages.

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1
                                       SEQUENCE LISTING
 2
            General Information:
 3
    (1)
          (i) APPLICANT: Griffeth, Irwin J.;
 5
 6
    Pollock, Joanne;
 7
    Bond, Julian F.;
 8
    Garman, Richard D;
    Kuo, Mei-Chang;
 9
    Yeung, Siu-mei H.;
10
    Brauer, Andrew;
11
12
    Exley, Mark A.;
13
    Powers, Steven P.
14
15
16
         (ii) TITLE OF INVENTION: Allergenic Proteins And Peptides From
17
                                   Japanese Cedar Pollen
18
19
        (iii) NUMBER OF SEQUENCES: 201
20
21
         (iv) CORRESPONDENCE ADDRESS:
               (A) ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
22
23
               (B) STREET: 610 Lincoln St
24
               (C) CITY: Waltham
25
               (D) STATE: MA
26
               (E) COUNTRY: USA
27
               (F) ZIP: 02154
28
29
          (v) COMPUTER READABLE FORM:
               (A) MEDIUM TYPE: Floppy disk
30
               (B) COMPUTER: IBM PC compatible
31
               (C) OPERATING SYSTEM: PC-DOS/MS-DOS
32
               (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
33
34
35
         (vi) CURRENT APPLICATION DATA:
36
               (A) APPLICATION NUMBER: 08/226,248
37
               (B) FILING DATE: April 8, 1994
38
               (C) CLASSIFICATION:
39
        (vii) PRIOR APPLICATION DATA:
40
41
               (A) APPLICATION NUMBER: 07/938,990
               (B) FILING DATE: September 1, 1992
42
43
44
               (A) APPLICATION NUMBER: PCT/US93/00139
45
               (B) FILING DATE: January 15, 1993
46
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RAW SEQUENCE LISTING PATENT APPLICATION US/08/226,248A

DATE: 09/07/94 TIME: 12:55:25

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	INPUT SET: 525.RG	:W
47	(viii) ATTORNEY/AGENT INFORMATION:	
48	(A) NAME: Darlene A. Vanstone	
49	(B) REGISTRATION NUMBER: 35,729	
50	(C) REFERENCE/DOCKET NUMBER: 025.5 US (IMI-028CP)	
51		
52	(ix) TELECOMMUNICATION INFORMATION:	
53	(A) TELEPHONE: (617) 466-6000	
54	(B) TELEFAX: (617) 466-6040	
55	(B) IDDITAN. (01/) 400 0040	
56		
57	(2) INCORMATION FOR SEC ID NO.1.	
	(2) INFORMATION FOR SEQ ID NO:1:	
58	(1) CROVINGE CVID CORPORATES	
59	(i) SEQUENCE CHARACTERISTICS:	
60	(A) LENGTH: 1337 base pairs	
61	(B) TYPE: nucleic acid	
62	(C) STRANDEDNESS: single	
63	(D) TOPOLOGY: linear	
64		
65	(ii) MOLECULE TYPE: cDNA to mRNA	
66		
67	(vi) ORIGINAL SOURCE:	
68	(A) ORGANISM: Crytpomeria japonica	
69		
70	(ix) FEATURE:	
71	(A) NAME/KEY: CDS	
72	(B) LOCATION: 661187	
73	(2) DOMITON CONTIES	
74	(ix) FEATURE:	
75	(A) NAME/KEY: mat peptide	
76		
	(B) LOCATION: 1291187	
77	And A GROUP OF THE PROPERTY OF	
78	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:	
79		
80	AGTCAATCTG CTCATAATCA TAGCATAGCC GTATAGAAAG AAATTCTACA CTCTGCTACC	60
81		
82	AAAAA ATG GAT TCC CCT TGC TTA GTA GCA TTA CTG GTT TTC TCT TTT	107
83	Met Asp Ser Pro Cys Leu Val Ala Leu Leu Val Phe Ser Phe	
84	-21 -20 -15 -10	
85		
86	GTA ATT GGA TCT TGC TTT TCT GAT AAT CCC ATA GAC AGC TGC TGG AGA	155
87	Val Ile Gly Ser Cys Phe Ser Asp Asn Pro Ile Asp Ser Cys Trp Arg	
88	-5 1 5	
89		
90	GGA GAC TCA AAC TGG GCC CAA AAT AGA ATG AAG CTC GCA GAT TGT GCA	203
91	Gly Asp Ser Asn Trp Ala Gln Asn Arg Met Lys Leu Ala Asp Cys Ala	
92	10 15 20 25	
93	10 13 20 23	
	CHO COO THE CON NO. THE NO. NO. OR NO. CON CON CON CHE THE	251
94	GTG GGC TTC GGA AGC TCC ACC ATG GGA GGC AAG GGA GAT CTT TAT	251
95	Val Gly Phe Gly Ser Ser Thr Met Gly Gly Lys Gly Gly Asp Leu Tyr	
96	30 35 40	
97		
98	ACG GTC ACG AAC TCA GAT GAC GAC CCT GTG AAT CCT GCA CCA GGA ACT	299
99	Thr Val Thr Asn Ser Asp Asp Pro Val Asn Pro Ala Pro Gly Thr	

RAW SEQUENCE LISTING PATENT APPLICATION US/08/226,248A

DATE: 09/07/94 TIME: 12:55:30

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100				45					50					55			
101																	
102	CTG	CGC	TAT	GGA	GCA	ACC	CGA	GAT	AGG	CCC	CTG	TGG	ATA	ATT	TTC	AGT	347
103	Leu	Arg	Tyr	Gly	Ala	Thr	Arg	Asp	Arg	Pro	Leu	Trp	Ile	Ile	Phe	Ser	
104		_	60	_			_	65	_			-	70				
105																	
106	GGG	ААТ	ATG	AAT	ATA	AAG	CTC	AAA	ATG	CCT	ATG	TAC	ATT	GCT	GGG	TAT	395
107						Lys											
108	2	75				2	80	-1-				85			1	-1-	
109																	
110	AAG	ACT	TTT	GAT	GGC	AGG	GGA	GCA	CAA	GTT	TAT	ATT	GGC	AAT	GGC	GGT	443
111	Lvs	Thr	Phe	Asp	Glv	Ara	Glv	Ala	Gln	Val	Tvr	Ile	Glv	Asn	Glv	Gly	
112	90				2	95	2				100		2		1	105	
113																	
114	CCC	TGT	GTG	ттт	ATC	AAG	AGA	GTT	AGC	AAT	GTT	ATC	АТА	CAC	GGT	ТТG	491
115						Lys											
116		- , _			110	-1-	9			115					120		
117																	
118	TAT	CTG	TAC	GGC	TGT	AGT	ACT	AGT	GTT	TTG	GGG	AAT	GTT	TTG	АТА	AAC	539
119						Ser											
120	- 7 -		-1-	125	-7-				130		,			135			
121																	
122	GAG	ΔСΤ	արդու	GGG	стс	GAG	ССТ	СТТ	САТ	ССТ	CAG	САТ	GGC	СУТ	сст	ርጥጥ	587
123						Glu											50,
124	014	501	140	<u></u>	***			145			01	пор	150	пор		200	
125			140					110					130				
126	ΔСТ	СТС	CGC	ΔСТ	сст	ACA	ΔΔΨ	ΔΨΨ	тсс	ΔΨΨ	СУТ	САТ	ΔΔΨ	ጥርጥ	ጥጥር	TCC	635
127						Thr											033
128		155	9		n_u		160				пор	165	11011	-		DCI	
129		133					100					103					
130	ידעע	ጥርጥ	ጥርጥ	СУТ	GGT	CTG	GTC	СУТ	GTC	ΔСТ	СФФ	ΔСТ	TCG	ΔСТ	GGA	ርጥጥ	683
131						Leu											000
132	170				1	175					180				1	185	
133						_,,											
134	ACT	ΑͲͲ	TCA	AAC	ААТ	CTT	ттт	ттс	AAC	CAT	CAT	AAA	GTG	ATG	TTG	тта	731
135						Leu											
136					190					195		-1-			200		
137																	
138	GGG	САТ	GAT	GAT	GCA	TAT	AGT	GAT	GAC	AAA	TCC	ATG	AAG	GTG	ACA	GTG	779
139						Tyr											
140	1			205		- 1 -			210	-1-			-1-	215			
141																	
142	GCG	TTC:	ΔАТ	CAA	ጥጥጥ	GGA	ССТ	AAC	тст	GGA	CAA	AGA	ATG	ccc	AGG	GCA	827
143						Gly											
144	niu		220	01		017		225	O,D	017	01	9	230		9	71.1.0	
145																	
146	CGA	ጥልጥ	GGA	Стт	СΤΣ	CAT	Gтт	GCA	AAC	ДДТ	дат	ጥልጥ	GAC	CCA	TGG	ACT	875
147						His											5,5
148	y	235	- L y	Lou	· u _		240	u				245	115 P	0	12		
149		233					2 T V					443					
150	א ידי א	ጥልጥ	GC A	Δ ጥጥ	CCT	GGG	ΔСΨ	ጥሮል	ል ል ጥ	CCA	ACC	ΔψΨ	СПУ	ΔСΨ	GAA	GGG	923
151						Gly											J 2 3
152	250	- y -	лта	**6	O T Y	255	⊃G I	Der	WO!!	110	260	-1E	Leu	SET	5±u	265	
104	230					233					200					203	

RAW SEQUENCE LISTING PATENT APPLICATION US/08/226,248A

DATE: 09/07/94 TIME: 12:55:35

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153														II	PUI	SE1: S25.ra	w
154	ААТ	AGT	TTC	ACT	GCA	CCA	AAT	GAG	AGC	TAC	AAG	AAG	CAA	GTA	ACC	АТА	971
155						Pro											
156					270					275					280		
157																	
158						ACA											1019
159	Arg	ITe	GTÀ	_	Lys	Thr	Ser	Ser		cys	Ser	Asn	Trp		Trp	GIN	
160 161				285					290					295			
162																	
163	тст	ACA	CAA	GAT	GTT	ттт	тат	ААТ	GGA	GCT	тат	ттт	GTA	TCA	TCA	ggg	1067
164						Phe											
165			300	•			•	305	-		-		310			-	
166																	
167						AAT											1115
168	Lys	_	Glu	Gly	Gly	Asn	Ile	Tyr	Thr	Lys	Lys		Ala	Phe	Asn	Val	
169		315					320					325					
170	a.a				aa .		a a m	~	mma				aam	~~~	amm	mm >	
171 172						ACT Thr											1163
172	330	ASII	сту	ASII	АТО	335	PIO	GIII	rea	THE	340	ASII	Ата	СТА	Val	345	
174	330					333					240					343	
175	ACA	TGC	тст	СТС	тст	AAA	CGT	TGT	TGAT	rgato	GCA 1	ראדאי	TCT	G C	TGTT	TGTAC	1217
176						Lys											
177		-			350	-	•	•									
178																	
179	TAT	CTAA	ATT A	AACA	CAAC	CA AC	LAAA E	TATA	A TC	ATGAT	rgta	TATT	TGTTO	TA T	rtgan	TGTCAA	1277
180																	
181	AATA	AAAA	ATG :	'ATC'	["T"T"]	AC TA	ATTA	AAAA	A AA	TAAA	SATC	GATO	CGGAC	GG '	'ACC'I	CTAGA	1337
182 183	(2)	TNE	NDM 8 F	UT ON	EOD	SEQ	TD 1	TO . 2	_								
184	(2)	TME	JKMA .	LION	FUR	PEÕ	י עד	10:2	•								
185			(1) 5	SEOUE	INCE	CHAI	የልሮሞክ	RTST	rtcs:	•							
186			(-, -			VGTH:					3						
187																	
188																	
189																	
190		(:	Li) N	OLE	CULE	TYPE	E: pı	otei	in								
190 191							_										
190 191 192						TYPE DESC	_) ID	NO:2	2:					
190 191 192 193	Not	(2	ki) S	SEQUE	ENCE	DESC	RIPT	TION:	: SEÇ	_			Sor	Pho	val	Tlo	
190 191 192 193 194		(2 Asp	ki) S	SEQUE	ENCE		RIPT Val	TION:	: SEÇ	_		Phe	Ser	Phe	Val	Ile	
190 191 192 193 194 195		(2	ki) S	SEQUE	ENCE	DESC	RIPT	TION:	: SEÇ	_			Ser	Phe	Val	Ile	
190 191 192 193 194	-21	(3 Asp -20	ki) S Ser	SEQUI Pro	ENCE Cys	DESC	Val	TION:	: SE(Leu	Val	Phe					
190 191 192 193 194 195	-21	(3 Asp -20	ki) S Ser	SEQUI Pro	ENCE Cys	DESC	Val	TION:	: SE(Leu	Val	Phe					
190 191 192 193 194 195 196 197	-21 Gly	(3 Asp -20	ki) S Ser	SEQUI Pro	ENCE Cys	DESC Leu Asp	Val	TION:	: SE(Leu	Val	Phe			Gly		
190 191 192 193 194 195 196 197 198	-21 Gly -5	Asp -20 Ser	Ser Cys	Pro Phe	ENCE Cys Ser	DESC Leu Asp	Val -15 Asn	rion: Ala Pro	: SE(Leu Ile	Leu Asp 5	Val Ser	Phe -10 Cys	Trp	Arg	Gly 10	Asp	
190 191 192 193 194 195 196 197 198 199 200 201	-21 Gly -5	Asp -20 Ser	Ser Cys	Pro Phe	ENCE Cys Ser	DESC Leu Asp	Val -15 Asn	rion: Ala Pro	: SE(Leu Ile	Leu Asp 5	Val Ser	Phe -10 Cys	Trp	Arg	Gly 10	Asp	
190 191 192 193 194 195 196 197 198 199 200 201 202	-21 Gly -5 Ser	Asp -20 Ser	Ser Cys	Pro Phe Ala	Cys Ser Gln	DESC Leu Asp 1	Val -15 Asn	Ala Pro Met	Leu Ile Lys 20	Leu Asp 5 Leu	Val Ser Ala	Phe -10 Cys Asp	Trp Cys	Arg Ala 25	Gly 10 Val	Asp	
190 191 192 193 194 195 196 197 198 199 200 201 202 203	-21 Gly -5 Ser	Asp -20 Ser	Ser Cys Trp	Pro Phe Ala	Cys Ser Gln	DESC Leu Asp	Val -15 Asn	Pro Met	Leu Ile Lys 20	Leu Asp 5 Leu	Val Ser Ala	Phe -10 Cys Asp	Trp Cys Leu	Arg Ala 25	Gly 10 Val	Asp	
190 191 192 193 194 195 196 197 198 199 200 201 202	-21 Gly -5 Ser	Asp -20 Ser	Ser Cys	Pro Phe Ala	Cys Ser Gln	DESC Leu Asp 1	Val -15 Asn	Ala Pro Met	Leu Ile Lys 20	Leu Asp 5 Leu	Val Ser Ala	Phe -10 Cys Asp	Trp Cys	Arg Ala 25	Gly 10 Val	Asp	

RAW SEQUENCE LISTING PATENT APPLICATION US/08/226,248A

DATE: 09/07/94 TIME: 12:55:40

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														I I	YPUI	SE1: 32
206 207 208	Thr	Asn 45	Ser	Asp	Asp	Asp	Pro 50	Val	Asn	Pro	Ala	Pro 55	Gly	Thr	Leu	Arg
209 210 211	Tyr 60	Gly	Ala	Thr	Arg	Asp 65	Arg	Pro	Leu	Trp	Ile 70	Ile	Phe	Ser	Gly	Asn 75
212 213 214	Met	Asn	Ile	Lys	Leu 80	Lys	Met	Pro	Met	Tyr 85	Ile	Ala	Gly	Tyr	Lys 90	Thr
214 215 216 217	Phe	Asp	Gly	Arg 95	Gly	Ala	Gln	Val	Туг 100	Ile	Gly	Asn	Gly	Gly 105	Pro	Cys
218 219 220	Val	Phe	Ile 110	Lys	Arg	Val	Ser	Asn 115	Val	Ile	Ile	His	Gly 120	Leu	Туr	Leu
221 222 223	Tyr	Gly 125	Cys	Ser	Thr	Ser	Val 130	Leu	Gly	Asn	Val	Leu 135	Ile	Asn	Glu	Ser
224 225 226	Phe 140	Gly	Val	Glu	Pro	Val 145	His	Pro	Gln	Asp	Gly 150	Asp	Ala	Leu	Thr	Leu 155
227 228 229	Arg	Thr	Ala	Thr	Asn 160	Ile	Trp	Ile	Asp	His 165	Asn	Ser	Phe	Ser	Asn 170	Ser
230 231 232	Ser	Asp	Gly	Leu 175	Val	Asp	Val	Thr	Leu 180	Thr	Ser	Thr	Gly	Val 185	Thr	Ile
233 234 235	Ser	Asn	Asn 190	Leu	Phe	Phe	Asn	His 195	His	Lys	Val	Met	Leu 200	Leu	Gly	His
236 237 238 239	Asp	Asp 205	Ala	Tyr	Ser	Asp	Asp 210	Lys	Ser	Met	Lys	Val 215	Thr	Val	Ala	Phe
240 241 242	Asn 220	Gln	Phe	Gly	Pro	Asn 225	Cys	Gly	Gln	Arg	Met 230	Pro	Arg	Ala	Arg	Tyr 235
243 244 245	Gly	Leu	Val	His	Val 240	Ala	Asn	Asn	Asn	Tyr 245	Asp	Pro	Trp	Thr	Ile 250	Tyr
246 247 248	Ala	Ile	Gly	Gly 255	Ser	Ser	Asn	Pro	Thr 260	Ile	Leu	Ser	Glu	Gly 265	Asn	Ser
249 250 251	Phe	Thr	Ala 270	Pro	Asn	Glu	Ser	Tyr 275	Lys	Lys	Gln	Val	Thr 280	Ile	Arg	Ile
252 253 254	Gly	Cys 285	Lys	Thr	Ser	Ser	Ser 290	Cys	Ser	Asn	Trp	Val 295	Trp	Gln	Ser	Thr
255 256 257	Gln 300	Asp	Val	Phe	туr	Asn 305	Gly	Ala	Tyr	Phe	Val 310	Ser	Ser	Gly	Lys	Tyr 315
258	Glu	Gly	Gly	Asn	Ile	Tyr	Thr	Lys	Lys	Glu	Ala	Phe	Asn	Val	Glu	Asn

SEQUENCE VERIFICATION REPORT PATENT APPLICATION US/08/226,248A

DATE: 09/07/94 TIME: 12:55:45

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